#### PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY WRITTEN OPINION OF THE see form PCT/ISA/220 INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1) Date of mailing (day/month/year) see form PCT/ISA/210 (second sheet) Applicant's or agent's file reference FOR FURTHER ACTION see form PCT/ISA/220 See paragraph 2 below International filing date (day/month/year) Priority date (day/month/year) International application No. 22.04.2003 PCT/EP2004/004247 20.04.2004 International Patent Classification (IPC) or both national classification and IPC A61M15/00, B65D83/14 Applicant **GLAXO GROUP LIMITED** This opinion contains indications relating to the following items: 1. Box No. I Basis of the opinion Box No. II Priority Non-establishment of opinion with regard to novelty, inventive step and industrial applicability ☐ Box No. III ☐ Box No. IV Lack of unity of invention Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial Box No. V applicability; citations and explanations supporting such statement ☐ Box No. VI Certain documents cited Box No. VII Certain defects in the international application Box No. VIII Certain observations on the international application **FURTHER ACTION** If a demand for international preliminary examination is made, this opinion will usually be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA"). However, this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notifed the International Bureau under Rule 66.1 bis(b) that written opinions of this International Searching Authority will not be so considered. If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of three months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220. For further details, see notes to Form PCT/ISA/220.

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## JC05 Rec'd PCT/PTO 12 OCT 2005

### WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/EP2004/004247

			10/552983
_	Вох	( No	
1.	With the	h reg lang	gard to the <b>language</b> , this opinion has been established on the basis of the international application in guage in which it was field, unless otherwise indicated under this item.
		lan	is opinion has been established on the basis of a translation from the original language into the following iguage , which is the language of a translation furnished for the purposes of international search inder Rules 12.3 and 23.1(b)).
2.	With	n reg	gard to any <b>nucleotide and/or amino acid sequence</b> disclosed in the international application and ary to the claimed invention, this opinion has been established on the basis of:
	a. ty	/pe	of material:
	[		a sequence listing
	E		table(s) related to the sequence listing
	b. fo	orma	at of material:
	[		in written format
	נ		in computer readable form
	c. ti	me	of filling/furnishing:
	[		contained in the international application as filed.
	0	_	filed together with the international application in computer readable form.
	τ		furnished subsequently to this Authority for the purposes of search.
3.		ha: coj	addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto s been filed or furnished, the required statements that the information in the subsequent or additional pies is identical to that in the application as filed or does not go beyond the application as filed, as propriate, were furnished.
4.	Add	itio	nal comments:

### WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/EP2004/004247

В	ox No. II	Priority					
1. 🗵	The fol	llowing document h	as not b <del>ee</del>	n furnished	<del>1</del> :		
	⋈	copy of the earlier	application	n whose pr	iority has been claimed (Rule 43bis.1 and 66.7(a)).		
		translation of the	arlier appl	ication who	ose priority has been claimed (Rule 43bis.1 and 66.7(b)).		
	Conser neverth	quently it has not b neless been establi	een possib shed on th	le to consi e assumpt	der the validity of the priority claim. This opinion has ion that the relevant date is the claimed priority date.		
2. 🗆	This opinion has been established as if no priority had been claimed due to the fact that the priority claim has been found invalid (Rules 43 <i>bis</i> .1 and 64.1). Thus for the purposes of this opinion, the international filing date indicated above is considered to be the relevant date.						
3. A	dditional o	observations, if nec	essary:				
B	ox No. V	Reasoned state applicability; citat	ment und	er Rule 43 explanatio	bis.1(a)(i) with regard to novelty, inventive step or ns supporting such statement		
1. S	tatement						
N	Novelty (N)			Claims Claims	1-33		
In	nventive st	tep (IS)	Yes: No:	Claims Claims	1-33		
Ir	ndustrial a	pplicability (IA)	Yes: No:	Claims Claims	1-33		

see separate sheet

#### Re Item V

Reasoned statement with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

- 1 The following documents are referred to in this communication:
  - D1: WO 99/42154 A (BESPAK PLC; WARBY RICHARD JOHN (GB)) 26 August 1999 (1999-08-26)
  - D2: WO 03/006181 A (JINKS PHILIP A; 3M INNOVATIVE PROPERTIES CO (US)) 23 January 2003 (2003-01-23)
  - D3: WO 02/051483 A (WARBY RICHARD; GLAXO GROUP LTD (GB); GODFREY ANNE PAULINE (GB)) 4 July 2002 (2002-07-04)
  - D4: US 6 007 954 A (BORSENBERGER PAUL M ET AL) 28 December 1999 (1999-12-28)
- 2 Document D1, which is considered to represent the most relevant state of the art, discloses (the references in parenthesis applying to this document):

Apparatus for dispensing medicament a surface which, in use of the dispenser, contacts a medicinal formulation contained in the container, said surface being presented by a cold plasma polymerised fluorinated monomer such as perfluoro-hexane. From this, the subject-matter of independent claims 1 and 30 differs in that heptafluoropropane is used as monomer.

- 2.1 The subject-matter of claims 1 and 30 is therefore novel (Article 33(2) PCT)

  The problem to be solved by the present invention may be regarded as to find an alternative fluoropolymer which prevents adhesion of a medicament on a surface of said dispenser.
- 2.2 The solution to this problem proposed in claim 1 of the present application is considered as involving an inventive step (Article 33(3) PCT) for the following reasons:

Although it is known from D4 that inter alia heptafluoropropane may be used as fluorocarbon source to generate a protective fluorocarbon polymer for coating purposes, the skilled person would not take into account D4 to solve the problem above, as D4 concerns a technical field which is far away from the technical filed of the invention and moreover, D4 does not teach any advantageous adhesion prevention.

# WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (SEPARATE SHEET)

International application No.

PCT/EP2004/004247

2.3 Claims 2-29 and 31 to 33 are dependent on claim 1 and 30, respectively, and as such also meet the requirements of the PCT with respect to novelty and inventive step.